

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	WO 2013/172380 A1 (USUI KOKUSAI SANGYO KK) 21 November 2013 (2013-11-21) * abstract; figures 1-4 * -----	1,3,4	INV. F01N3/033 B01D50/00 B01D53/50 F01N3/01 F01N3/02 F01N3/037 F01N3/08 F01N3/24
Y	WO 2014/041734 A1 (KAWASAKI HEAVY IND LTD [JP]) 20 March 2014 (2014-03-20) * abstract; figure 1 * -----	1-4	
Y	WO 2004/011783 A2 (KAMMEL REFAAT A [US]) 5 February 2004 (2004-02-05) * abstract; figure 15 * -----	1-4	
Y	JP H05 21118 U (MEIDENSHA CORP.) 19 March 1993 (1993-03-19) * abstract *	1-4	
Y	EP 2 642 095 A1 (USUI KOKUSAI SANGYO KK [JP]) 25 September 2013 (2013-09-25) * abstract; figure 1 * -----	2,4	
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			TECHNICAL FIELDS SEARCHED (IPC)
			F01N
Place of search		Date of completion of the search	Examiner
Munich		1 February 2017	Seifert, Marco
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 15 77 7369

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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01-02-2017

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2013172380	A1	21-11-2013	CN 104302880 A	21-01-2015
			EP 2868880 A1	06-05-2015
			JP 6062660 B2	18-01-2017
			JP 2013238172 A	28-11-2013
			KR 20150011384 A	30-01-2015
			WO 2013172380 A1	21-11-2013

WO 2014041734	A1	20-03-2014	CN 104520571 A	15-04-2015
			JP 2014055567 A	27-03-2014
			KR 20150024437 A	06-03-2015
			WO 2014041734 A1	20-03-2014

WO 2004011783	A2	05-02-2004	AT 387570 T	15-03-2008
			AT 487029 T	15-11-2010
			AU 2003252127 A1	16-02-2004
			BR 0318291 A	12-09-2006
			CA 2493161 A1	05-02-2004
			CN 1671954 A	21-09-2005
			CN 101881204 A	10-11-2010
			EP 1546515 A2	29-06-2005
			EP 2078832 A2	15-07-2009
			HK 1081250 A1	28-01-2011
			JP 4413777 B2	10-02-2010
			JP 2005533963 A	10-11-2005
			JP 2010031872 A	12-02-2010
			MX PA05000988 A	16-05-2005
			RU 2349767 C2	20-03-2009
			US 2005178111 A1	18-08-2005
WO 2004011783 A2	05-02-2004			

JP H0521118	U	19-03-1993	NONE	

EP 2642095	A1	25-09-2013	CN 103261596 A	21-08-2013
			EP 2642095 A1	25-09-2013
			JP 5863087 B2	16-02-2016
			JP 2012107556 A	07-06-2012
			KR 20130087566 A	06-08-2013
			WO 2012066825 A1	24-05-2012
